vegetables. Under artificial changes of environment—the alteration of the proportion salt the water in which it lives—a shrimp (Artemia) will become transformed by changes which suffice to distinguish not merely a new species new genus. Sponges zoophytes which have apparently migrated from the sea freshhabitat. have changed the course of their development: the organism emerges the eag in its adult form instead of as a free-swimming English Breeds of sheep larva. transported of Argentina become the pampas endowed novel characters: the leas arow lona expense of the body: the wool turns and hairy. So substantial a distinction between short-skulled and long-skulled races believed by some authorities to have resulted merely from the differing influences of a tainous and a plains habitate and at present day an American environment appears curiously modifying the Anglo-Saxon tvne in the head. of the and shape the modelling of the features. If. as appears, changes of environment followed bv hereditarv of modifications form. the stimulate occurrence of hereditary tions, we may infer that migration has been powerful factor in the development of species of animals and races of mankind.

There appears to be. then. good warranty for

the conclusion that the action of environment may produce changes which become fixed in the fixed in the breed and are passed on from parents offspring. The character of these changes may often appear have no connection with anv to special features of the environment: it is not clear, for instance. whv birds should develop their powers of song